



Substitute for form PTO/SB/08A

Complete if Known

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Application Number	10/532,619
Filing Date	April 25, 2005
First Named Inventor	Ernest C. Chen
Art Unit	2611
Examiner Name	PATEL, Jayanti K.

Date: October 18, 2006

Sheet 1 of 1

Attorney Docket Number PD-201014

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/E.B./	1	US-2002/006795	01-2002	Norin et al.	
/E.B./	2	US-6,333,924	12-2001	Porcelli et al.	
/E.B./	3	US-2001/012322	08-2001	Nagaoka et al.	

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Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
/E.B./	4	WO 2005/086444	09-2005	Thomson Licensing S.A.		
/E.B./	5	WO 2005/074171	09-2005	Qualcomm Incorporated		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	6	THE AUTHORITATIVE DICTIONARY OF IEEE STANDARDS TERMS; Seventh Edition, pp. 1047 – definition of "signal"	

Examiner Signature	/Emmanuel Bayard/	Date Considered	11/28/2007
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/532,619
		Filing Date	04-25-2005
		First Named Inventor	Ernest C. Chen
		Art Unit	2611
		Examiner Name	BAYARD, Emmanuel
Date:	October 19, 2007		
Sheet 1 of 1	Attorney Docket Number	PD-201014	

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
/E.B./	1	US-7,079,585	07-2006	Settle et al.
	2	US-7,073,116	07-2006	Settle et al.
	3	US-5,978,652	11-1999	Burr et al.
	4	US-6,947,741	09-2005	Beech et al.
	5	US-6,657,978	12-2003	Millman, Richard M.
	6	US-6,177,836	06-2001	Young et al.
	7	US-5,206,889	04-1993	Unkrich, Mark A.
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	9	US-2005/0037724	02-2005	Walley et al.
	10	US-2003/0043941	03-2003	Johnson et al.
	11	US-2004/0196935	10-2004	Nieto, John Wesley
	12	US-4,484,337	11-1984	Leclert et al.
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Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T
/E.B./	22	WO 99/00957	01-1999	Thomson Consumer Electronics	

### ALLOWED CO-PENDING RELATED APPLICATIONS

Examiner Initials*	Cite No.	Application Number	Filing Date	Applicant(s)	Date of Notice of Allowance
/E.B./		10/692,491	10-24-2003	Ernest C. Chen	09-06-2007
/E.B./		11/603,776	11-22-2006	Chen et al.	08-29-2007

Examiner Signature	/Emmanuel Bayard/	Date Considered	11/28/2007
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		Application Number	10/532,619
		Filing Date	April 25, 2005
		First Named Inventor	Ernest Chen
		Art Unit	2611
Examiner Name		BAYARD, Emmanuel	
Date: August 22, 2007			
Sheet 1 of 1		Attorney Docket Number	PD-201014

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/E.B./	1	US-6,678,336	01-2004	Katoh et al.	
/E.B./	2	US-6,990,627	01-2006	Uesugi et al.	
/E.B./	3	US-7,230,992	06-2007	Walker et al.	

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Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
/E.B./	4	JP 2002118611 (English abstract)	04-2002	Sharp KK		

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/E.B./	5	PALICOT, J., VEILLARD, J.; "Possible Coding and Modulation Approaches to Improve Service Availability for Digital HDTV Satellite Broadcasting at 22 GHz"; IEEE Transactions on Consumer Electronics; Vol. 39, Issue 3; August 1993; pages 660-667	

ALLOWED CO-PENDING RELATED APPLICATIONS				
Examiner Initials*	Application Number	Filing Date	Inventor(s)	Notice of Allowance Date
/E.B./	10/693,135	10-24-2003	Chen	June 20, 2007
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		371(c) Filing Date	April 25, 2005
		First Named Inventor	Ernest C. Chen
		Art Unit	2611
		Examiner Name	BAYARD, Emmanuel
Date:	July 30, 2007		
Sheet 1 of 1	Attorney Docket Number	PD-201014	

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/E.B./		US-5,285,474	02-1994	Chow et al.	
/E.B./		US-6,002,713	12-1999	Goldstein et al.	
/E.B./		US-6,078,645	06-2000	Cai et al.	
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		EP 1065854	01-2001	Tandberg Television ASA	
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		WO 2005/074171	08-2005	Qualcomm Incorporated	
		WO 2005/086444	09-2005	Thomson Licensing SA	
/E.B./		KR 2001 0019997 (English abstract included)	03-2001	Hynix Semiconductor Inc.	

Examiner Signature	/Emmanuel Bayard/	Date Considered	11/28/2007
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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/532,619
		Filing Date	April 25, 2005
		First Named Inventor	Ernest Chen
		Art Unit	2611
		Examiner Name	PATEL, Jayanti K.
Date: February 22, 2007			
Sheet 1 of 1		Attorney Docket Number	201014

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/E.B./	1	US-6,522,683	02-2003	Smee et al.	
	2	US-7,161,931	01-2007	Li et al.	
	3	US-6,956,841	10-2005	Stahle et al.	
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	6	US-7,154,958	12-2006	Dabak et al.	
	7	US-2003/0194022	10-2003	Hammons et al.	
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/E.B./	9	US-2002/0051435	05-2002	Giallorenzi et al.	

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Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

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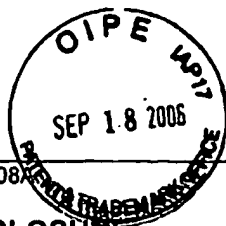
Substitute for form PTO/SB/08A  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Complete if Known	
	Application Number	10/532,619
	Filing Date	April 25, 2005
	First Named Inventor	Ernest C. Chen
	Art Unit	2611
	Examiner Name	PATEL, Jayanti K.
Date:	December 4, 2006	
Sheet 1 of 1	Attorney Docket Number	PD-201014

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Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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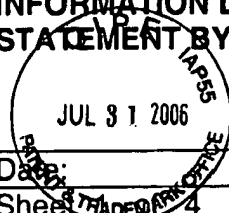
<b>Substitute for form PTO/SB/08</b> <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	<b>Complete if Known</b>	
	Application Number	10/532,619
	Filing Date	04-25-2005
	First Named Inventor	Ernest C. Chen
	Art Unit	2611
	Examiner Name	PATEL, Jayanti K.
Date:	September 13, 2006	
Sheet 1 of 1	Attorney Docket Number	PD-201014

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Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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/E.B./		CHEN, ERNEST et al.; "DVB-S2 Backward-Compatible Modes: A Bridge Between the Present and the Future"; International Journal of Satellite Communications and Networking; Volume 22, Issue 3, pages 341-365; published 2004 by John Wiley & Sons, Ltd.	

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		Filing Date	04-25-2005
		First Named Inventor	Ernest C. Chen
		Art Unit	2611
		Examiner Name	PATEL, Jayanti K.
Date:	July 18, 2006		
Sheet 4		Attorney Docket Number	PD-201014

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/E.B./		US-4,637,017	01-1987	Assal et al.	
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		US-5,221,908	06-1993	Katz et al.	
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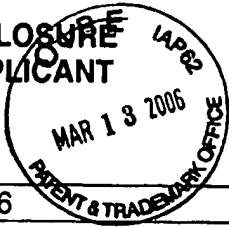
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		JP 2-95033	04-1990	Yamamoto, Yoshihiko		
		JP 2-5631	01-1990	Oda, Hirobumi		
/E.B./		JP 03139027	06-1991	Nippon Telegraph and Telephone Corporation		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
/E.B./		WOLCOTT, TED J. ET AL.; "Uplink-Noise Limited Satellite Channels"; IEEE 1995; pages 717-721; XP-00580915	
/E.B./		SESKAR, IVAN ET AL.; "Implementation Aspects for Successive Interface Cancellation in DS/CDMA Systems"; Wireless Networks; 1998; pages 447-452	
/E.B./		Earth Station Technology; 1986; pages 404-412; XP-002248387	

Examiner Signature	/Emmanuel Bayard/	Date Considered	11/28/2007
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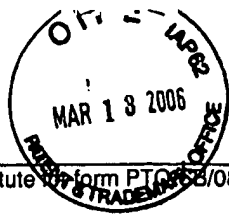
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Substitute for form PTO/SB/08A		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> 		Application Number	10/532,619
		371(c) Filing Date	April 25, 2005
		First Named Inventor	Ernest C. Chen
		Art Unit	2637
		Examiner Name	PATEL, Jayanti K.
Date: March 10, 2006			
Sheet 1 of 3		Attorney Docket Number	PD-201014

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/E.B./		US-6,731,700	05-2004	Yakhnich et al.	
		US-6,411,797	06-2002	Estinto, Eugene	
		US-2002/0071506	06-2002	Lindquist et al.	
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		US-6,266,534	07-2001	Raith et al.	
		US-5,467,197	11-1995	Hoff, Don G.	
		US-5,430,770	07-1995	Abbey	
		US-5,966,412	10-1999	Ramaswamy	
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↓		US-6,108,374	08-2000	Balachandran et al.	
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/E.B./		US-6,219,095	04-2001	Zhang et al.	

Examiner Signature	/Emmanuel Bayard/	Date Considered	12/05/2007
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Substitute form PTO/SB/08A

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

Complete if Known

Application Number 10/532,619  
 371(c) Filing Date April 25, 2005  
 First Named Inventor Ernest C. Chen  
 Art Unit 2637  
 Examiner Name PATEL, Jayanti K.

Date: March 10, 2006

Sheet 2 of 3

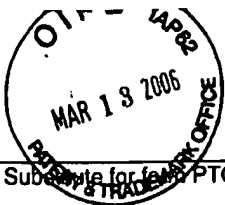
Attorney Docket Number PD-201014

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Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/E.B./		US-6,275,678	08-2001	Bethscheider et al.	
		US-3,383,598	05-1968	Sanders	
		US-5,577,087	11-1996	Furuya	
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		US-2002/176516	11-2002	Jeske et al.	
		US-6,304,594	10-2001	Salinger, Sheldon N.	
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		US-3,879,664	04-1975	Monsen, Peter	
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		US-5,233,632	08-1993	Baum et al.	
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/E.B./		US-3,878,468	04-1975	Falconer et al.	

Examiner Signature	/Emmanuel Bayard/	Date Considered	11/28/2007
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Subsidiary for form PTO/SB/08A <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	<b>Complete if Known</b>	
	Application Number	10/532,619
	371(c) Filing Date	April 25, 2005
	First Named Inventor	Ernest C. Chen
	Art Unit	2637
	Examiner Name	PATEL, Jayanti K.
Date: March 10, 2006		
Sheet 3 of 3	Attorney Docket Number	PD-201014

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document  Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
/E.B./		EP 0929164	07-1999	Societe Europeene des Satellites		
/E.B./		WO 02/073817	09-2002	Nokia Corporation		
/E.B./		EP 0356096	02-1990	Meyers		
/E.B./		EP 0238822	09-1987	NEC Corporation		
/E.B./		WO 99/20001	04-1999	Silberger et al.		

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Complete if Known

Application Number	10/532,619
Filing Date	April 25, 2005
First Named Inventor	Ernest C. Chen
Art Unit	2637
Examiner Name	PATEL, Jayanti K.
Date: March 10, 2006	
Sheet 1 of 1	Attorney Docket Number PD-201014

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
/E.B./		MEYR, HEINRICH et al.; "Digital Communication Receivers: Synchronization, Channel Estimation, and Signal Processing"; 1998, John Wiley & Sons, Inc.; pages 212-213 and 217-218; XP002364874	
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	Application Number	To be assigned
	Filing Date	Herewith
	First Named Inventor	Ernest. C. Chen
	Art Unit	To be assigned
	Examiner Name	To be assigned
Sheet 1 of 1	Attorney Docket Number	PD-201014

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/E.B./		US-5,970,098	10-19-1999	Herzberg, Hanan	
/E.B./		US-6,125,148	09-26-2000	Frodigh, Carl Magnus et al.	

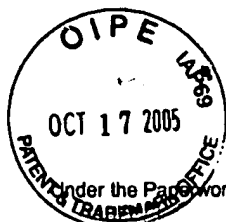
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Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
/E.B./		EP 0 222 076 A2	08-14-1986	Ketterling, Hans-Peter et al.		

Examiner Signature	/Emmanuel Bayard/	Date Considered	11/28/2007
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	Application Number	10/532,619
	Filing Date	October 16, 2003
	First Named Inventor	Ernest C. Chen
	Art Unit	2637
	Examiner Name	To be determined
Sheet 1 of 2	Attorney Docket Number	PD-201014

**U.S. PATENT DOCUMENTS**

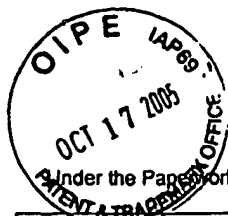
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		US-5,121,414	06-1992	Levine et al.	
		US-6,144,708	11-2000	Maruyama, Hidenori	
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/E.B./		US-6,330,336	12-2001	Kasama, Minoru	

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/E.B./		JANSSEN, GJM; SLIMANE, SB: "Performance of a multiuser detector for M-PSK signals based on successive cancellation", ICC 2001, 2001 IEEE International Conference on Communications, Conference Record, Helsinki, Finland, June 11-14, 2001, XP010552960	
/E.B./		SLIMANE, SB; JANSSEN, GJM: "Power optimization of M-PSK cochannel signals for a narrowband multiuser detector", 2001 IEEE Pacific Rim Conference on Communications, Computers and Signal Processing, Victoria, B.C., Canada, August 26-28, 2001, XP010560334	

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	Application Number	10/532,619
	Filing Date	October 16, 2003
	First Named Inventor	Ernest C. Chen
	Art Unit	2637
Examiner Name	To be determined	
Sheet 2 of 2	Attorney Docket Number	PD-201014

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/E.B./		SOONG, ACK; KRZYMIEN, WA: "Performance of a reference symbol assisted multistage successive interference canceling receiver in a multi-cell CDMA wireless system, Conference record, Communication Theory Mini-Conference, GLOBECOM '95, IEEE Singapore November 13-17, 2000, XP010159490	
/E.B./		ARSLAN, H; MOLNAR, K: "Iterative co-channel interference cancellation in narrowband mobile radio systems", Emerging Technologies Symposium: Broadband, Wireless Internet Access, 2000 IEEE, April 10-11, 2000, Piscataway, NJ, USA, XP010538900	

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